

ABSTRACT:

Provided in a data carrier (1) designed to modulate a carrier signal (CS) that can be received in a contactless manner are transmission means (2) designed to transmit the carrier signal (CS), and a data signal source (9) designed to generate and emit a data signal (DS), and modulation means (11), which modulation means (11) is designed to receive the data signal (DS) and, using the data signal (DS), to modulate the carrier signal (CS) occurring at the transmission means (2) and to generate an amplitude-modulated signal (S), which amplitude-modulated signal (S) has signal edges (SL), wherein, in addition, signal-edge influencing means (12) is provided, which is designed to influence the slope characteristic of the signal edges (SL) in the amplitude-modulated signal (S).

Fig. 2

10/517745



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52

PCT

(10) International Publication Number
WO 03/105077 A1

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

(26) Publication Language: English

Published:
— *with international search report*

(71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

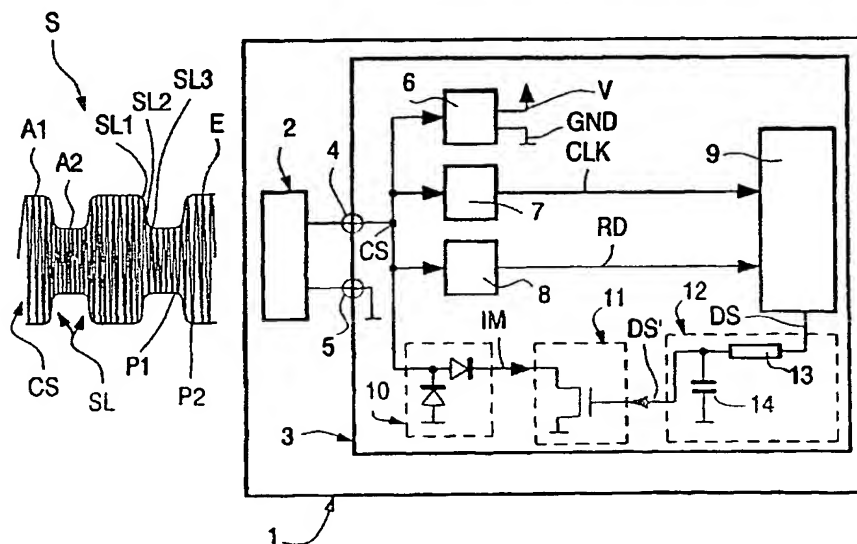
(72) Inventor; and

(75) **Inventor/Applicant (for US only): BERGLER, Ewald**
[AT/AT]; Triester Strasse 64, A-A 1101 Vienna (AT).

(74) Agent: RÖGGLA, Harald; Philips Intellectual Property & Standards, Triester Strasse 64, A-A 1101 Vienna (AT).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DATA CARRIER COMPRISING MEANS FOR INFLUENCING THE SLOPE COURSE OF THE SIGNAL EDGES IN AN AMPLITUDE-MODULATED SIGNAL



(57) Abstract: Provided in a data carrier (1) designed to modulate a carrier signal (CS) that can be received in a contactless manner are transmission means (2) designed to transmit the carrier signal (CS), and a data signal source (9) designed to generate and emit a data signal (DS), and modulation means (11), which modulation means (11) is designed to receive the data signal (DS) and, using the data signal (DS), to modulate the carrier signal (CS) occurring at the transmission means (2) and to generate an amplitude-modulated signal (S), which amplitude-modulated signal (S) has signal edges (SL), wherein, in addition, signal-edge influencing means (12) is provided, which is designed to influence the slope characteristic of the signal edges (SL) in the amplitude-modulated signal (S).

WO 03/105077 A1